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Date:

June 9, 2004

By:

Luigi J. Mascari

Signature of Person Depositing First Class Mail

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**PATENT**

Applicant:	He et al.	Docket No.:	15730.0800
Serial No.:	10/648,571	Art Unit:	3742
Filed:	August 26, 2003	Examiner:	To Be Assigned
Title:	METHODS AND APPARATUS FOR A VARIABLE RESISTOR CONFIGURED TO COMPENSATE FOR NON-LINEARITIES IN A HEATING ELEMENT	Confirmation No.:	4102

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

This Information Disclosure Statement is being filed in accordance with the duty of disclosure under 37 C.F.R. §1.56 and pursuant to 37 C.F.R. §§1.97-1.98. One copy of each document cited on the enclosed Form PTO-1449 is submitted herewith. The Examiner is requested to initial the enclosed Form PTO-1449 and return a copy thereof to the undersigned.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant reserves the right to dispute any of the listed documents as prior art during examination. Further, Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. Additionally, some of the references listed and identified on the attached PTO-1449

based form were cited in communications from a foreign patent office in counterpart foreign applications.

This Information Disclosure Statement is being filed under 37 C.F.R. §1.97(b)(3) as each item of information in this disclosure is being filed prior to the issuance of the first Office Action on the merits, and therefore no fee or statement is required. In the event a first office action on the merits has been issued, please consider this Information Disclosure Statement under 37 C.F.R. §1.97(c) and charge the appropriate fee to Deposit Account 19-2814.

If it is determined that this Information Disclosure Statement has been filed under the wrong rule, the United States Patent and Trademark Office is requested to consider this Information Disclosure Statement under the proper rule, with a petition if necessary, and charge the appropriate fee to Deposit Account 19-2814. **A duplicate copy of the Information Disclosure Statement is enclosed for these purposes. This statement does not authorize the payment of the issue fee.**

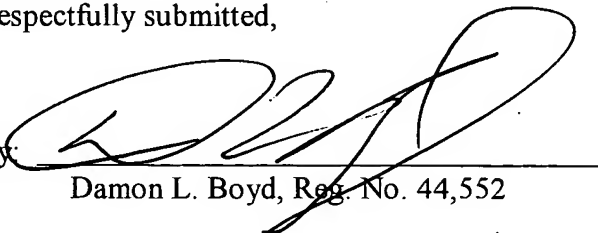
If there are any questions concerning this Information Disclosure Statement, the Examiner is requested to contact the undersigned.

Respectfully submitted,

Date:

8 June 2004

By:



Damon L. Boyd, Reg. No. 44,552

Enclosures: PTO-1449 / Copies of References

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Serial No.: 10/648,571  
Title: METHODS AND APPARATUS FOR A  
VARIABLE RESISTOR CONFIGURED TO  
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IN A HEATING ELEMENT

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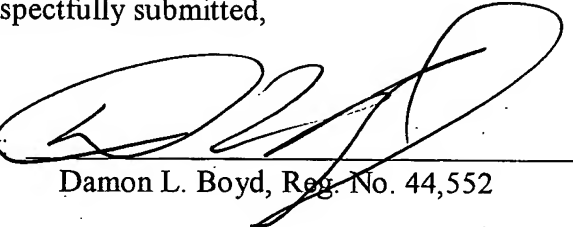
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**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

ATTY DOCKET NO.  
15730.0800

SERIAL NO.  
10/648,571

APPLICANT(S)  
He et al.

FILING DATE  
August 26, 2003

GROUP  
3742

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1,836,600	12/15/31	Jones			
	3,262,290	07/26/66	Huber			
	3,748,438	07/24/73	Costello			
	3,780,260	12/18/73	Eisner			
	3,895,928	07/22/75	Gonzalo			
	3,908,905	09/30/75	Von Philipp et al.			
	3,923,458	12/02/75	Gonzalo			
	3,948,445	04/06/76	Andweg			
	4,017,030	04/12/77	Coplan et al.			
	4,037,353	07/26/77	Hennart et al.			
	4,084,079	04/11/78	Costello			
	4,111,655	10/05/78	Quincey			
	4,123,741	10/31/78	Kiyono Tetsuhiro et al.			
	4,165,835	08/28/79	Dearling			
	4,171,340	10/16/79	Nishimura et al.			
	4,208,012	06/17/80	Dutcher			
	4,214,146	07/22/80	Schimanski			
	4,220,281	09/02/80	Martens III et al.			
	4,228,124	10/14/80	Kashihara et al.			
	4,242,969	01/06/81	Steigerwald et al			
	4,293,173	10/06/81	Tricca			
	4,294,778	10/13/81	DeLuca			
	4,346,059	08/24/82	Spector			
	4,391,781	07/05/83	Van Lit			
	4,408,813	10/11/83	Koehler			
	4,413,779	11/08/83	Santini			
	4,415,797	11/15/83	Choustoulakis			
	4,425,302	01/10/84	Pons Pons			
	4,467,117	08/21/84	Zobebe			
	4,518,212	05/21/85	Rumble			

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 15730.0800		SERIAL NO. 10/648,571	
				APPLICANT(S) He et al.			
				FILING DATE August 26, 2003		GROUP 3742	
		4,530,556	07/23/85	Bonus			
		4,537,351	07/27/85	Wilson			
		4,544,592	10/01/85	Spector			
		4,549,250	10/22/85	Spector			
		4,556,539	12/03/85	Spector			
		4,571,485	02/18/86	Spector			
		4,574,181	03/04/86	Spector			
		4,595,564	06/17/86	Spector et al.			
		4,631,387	12/23/86	Glucksman			
		4,658,985	04/21/87	Madsen et al.			
		4,660,764	04/28/87	Joyaux et al.			
		4,662,679	05/05/87	Franck			
		4,675,504	06/23/87	Suhajda			
		4,686,353	08/11/87	Spector			
		4,695,434	12/22/87	Spector			
		4,703,155	10/27/87	Suhajda			
		4,707,336	11/17/87	Jones			
		4,714,984	12/22/87	Spector			
		4,718,856	01/12/88	Pinkerton et al.			
		4,725,712	02/16/88	Schroeder			
		4,731,520	03/15/88	Glucksman			
		4,731,522	03/15/88	Manchester			
		4,732,321	03/22/88	Dolan			
		4,734,560	03/29/88	Bowen			
		4,739,928	04/26/88	O'Neil			
		4,743,406	05/10/88	Steiner et al			
		4,753,389	06/28/88	Davis			
		4,777,345	10/11/88	Manchester			
		4,780,286	10/25/88	Parent et al.			
		4,795,883	01/03/89	Glucksman et al.			
		4,798,935	01/17/89	Pezaris			
		4,800,239	01/24/89	Hill			
		4,801,271	01/31/89	Piper			

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. <b>15730.0800</b>		SERIAL NO. <b>10/648,571</b>	
				APPLICANT(S) <b>He et al.</b>			
				FILING DATE <b>August 26, 2003</b>		GROUP <b>3742</b>	
		<b>4,804,821</b>	<b>02/14/89</b>	<b>Glucksman</b>			
		<b>4,808,347</b>	<b>02/28/89</b>	<b>Dawn</b>			
		<b>4,816,973</b>	<b>03/28/89</b>	<b>Atalla et al.</b>			
		<b>4,830,791</b>	<b>05/16/89</b>	<b>Muderlak et al.</b>			
		<b>4,837,421</b>	<b>06/06/89</b>	<b>Luthy</b>			
		<b>4,849,606</b>	<b>07/18/89</b>	<b>Martens III et al.</b>			
		<b>4,853,517</b>	<b>08/01/89</b>	<b>Bowen et al.</b>			
		<b>4,878,615</b>	<b>11/07/89</b>	<b>Losi</b>			
		<b>4,886,469</b>	<b>12/12/89</b>	<b>Jseng</b>			
		<b>4,915,301</b>	<b>04/10/90</b>	<b>Munteanu</b>			
		<b>4,919,981</b>	<b>04/24/90</b>	<b>Levey et al.</b>			
		<b>4,931,224</b>	<b>06/05/90</b>	<b>Holzner, Sr.</b>			
		<b>4,931,258</b>	<b>06/05/90</b>	<b>Zlotnik et al.</b>			
		<b>4,968,456</b>	<b>11/06/90</b>	<b>Muderlak et al</b>			
		<b>4,998,671</b>	<b>03/12/91</b>	<b>Leifheit</b>			
		<b>5,004,435</b>	<b>04/02/91</b>	<b>Jammet</b>			
		<b>5,014,913</b>	<b>05/14/91</b>	<b>Hoyt et al</b>			
		<b>5,015,442</b>	<b>05/14/91</b>	<b>Hirai</b>			
		<b>5,029,729</b>	<b>07/09/91</b>	<b>Madsen et al.</b>			
		<b>5,038,394</b>	<b>08/06/91</b>	<b>Hasegawa et al.</b>			
		<b>5,050,798</b>	<b>09/24/91</b>	<b>Sullivan</b>			
		<b>5,106,317</b>	<b>04/21/92</b>	<b>Taylor</b>			
		<b>5,111,477</b>	<b>05/05/92</b>	<b>Muderlak</b>			
		<b>5,115,975</b>	<b>05/26/92</b>	<b>Shilling</b>			
		<b>5,121,881</b>	<b>06/16/92</b>	<b>Lembeck</b>			
		<b>5,126,078</b>	<b>06/30/92</b>	<b>Steiner et al.</b>			
		<b>5,136,684</b>	<b>08/04/92</b>	<b>Lonker et al.</b>			
		<b>5,147,582</b>	<b>09/15/92</b>	<b>Holzner, Sr. et al.</b>			
		<b>5,148,984</b>	<b>09/22/92</b>	<b>Bryson, Jr. et al.</b>			
		<b>5,175,791</b>	<b>12/29/92</b>	<b>Muderlak et al.</b>			
		<b>5,196,171</b>	<b>03/23/93</b>	<b>Peltier</b>			
		<b>5,201,025</b>	<b>04/06/93</b>	<b>Landesberg</b>			
		<b>5,217,696</b>	<b>06/08/93</b>	<b>Wolverton et al.</b>			

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 15730.0800		SERIAL NO. 10/648,571	
				APPLICANT(S) He et al.			
				FILING DATE August 26, 2003		GROUP 3742	
		5,220,636	06/15/93	Chang			
		5,222,186	06/22/93	Schimanski et al.			
		5,223,182	06/29/93	Steiner et al.			
		5,233,680	08/03/93	Fussell			
		5,239,610	08/24/93	Shao			
		5,240,426	08/31/93	Barla			
		5,285,014	02/08/94	Gilchrist			
		5,290,546	03/01/94	Hasegawa et al.			
		5,295,845	03/22/94	Changxing			
		5,314,669	05/24/94	Hamilton			
		5,320,542	06/14/94	Cheng			
		5,339,065	08/16/94	Slenker			
		5,342,584	08/30/94	Fritz et al.			
		5,373,581	12/13/94	Smith			
		5,375,728	12/27/94	West			
		5,376,338	12/27/94	Zlotnik			
		5,382,410	01/17/95	Peltier			
		5,394,506	02/28/95	Stein et al.			
		5,402,517	03/28/85	Gillett et al.			
		5,431,859	07/11/95	Tobin			
		5,431,885	07/11/95	Zlotnik et al.			
		5,445,802	08/29/95	Wendelken			
		5,465,198	11/07/95	Kellogg			
		5,480,591	01/02/96	Lagneaux et al.			
		5,481,442	01/02/96	Wiltshire et al.			
		5,484,086	01/16/96	Pu			
		5,498,397	03/12/96	Horng			
		5,521,357	05/28/96	Lock et al.			
		5,522,008	05/28/96	Bernard			
		5,547,616	08/20/96	Dancs et al.			
		5,556,192	09/17/96	Wang			
		5,567,361	10/22/96	Harper			
		5,574,821	11/12/96	Babasade			

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				APPLICANT(S) <b>He et al.</b>			
				FILING DATE <b>August 26, 2003</b>		GROUP <b>3742</b>	
		5,575,992	11/19/96	Kunze			
		5,577,156	11/19/96	Costello			
		5,591,395	01/07/97	Schroeder et al.			
		5,624,230	04/29/97	Taylor et al.			
		5,634,806	06/03/97	Hahn			
		5,664,958	09/09/97	Chadwick et al.			
		5,647,052	07/08/97	Patel et al.			
		5,647,053	07/08/97	Schroeder et al.			
		5,651,942	07/29/97	Christinsen			
		5,662,835	09/02/97	Collingwood			
		5,700,430	12/23/97	Bonnema et al.			
		5,735,460	04/07/98	Eisenbraun			
		5,749,520	05/12/98	Martin et al.			
		5,750,498	05/12/98	Soeda et al.			
		5,765,751	06/16/98	Joshi			
		5,788,155	08/04/98	Martin et al.			
		5,788,931	08/04/98	Munoz Quintana			
		5,796,914	08/18/98	Gatzemeyer et al.			
		5,805,768	09/08/98	Schwartz et al.			
		5,810,265	09/22/98	Cornelius et al.			
		5,813,873	09/29/98	McBain et al.			
		5,832,648	11/10/98	Malone			
		5,873,529	02/23/99	Johnson			
		5,875,968	03/02/99	Miller et al.			
		5,884,808	03/23/99	Muderlak et al.			
		5,899,381	05/04/99	Gordon et al.			
		5,903,710	05/11/99	Weffler et al.			
		5,926,614	07/20/99	Steinel			
		5,928,605	07/27/99	Bonnema et al.			
		5,932,204	08/03/99	Joshi			
		5,937,140	08/10/99	Leonard et al.			
		5,940,577	08/17/99	Steinel			
		5,944,223	08/31/99	Klima et al.			



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		5,945,094	08/31/99	Martin et al.			
		5,955,701	09/21/99	Schockner et al.			
		5,957,701	09/28/99	McMillin			
		5,970,643	10/26/99	Gawel, Jr.			
		5,976,503	11/02/99	Martin et al.			
		5,998,735	12/07/99	Patterson, Jr.			
		6,021,254	02/01/00	Hunter			
		6,031,967	02/29/00	Flashinski et al.			
		6,032,930	03/07/00	Calino			
		6,036,536	03/14/00	Chiu			
		6,044,202	03/28/00	Junkel			
		6,045,374	04/04/00	Candeloro			
		6,050,551	04/18/00	Anderson			
		6,051,788	04/18/00	Nichols			
		6,078,728	06/20/00	O'Rourke et al.			
		6,085,026	07/04/00	Hammons et al.			
		6,097,881	08/01/00	DeWitt et al.			
		6,099,137	08/08/00	McCormick et al.			
		6,101,315	08/08/00	Steinel, Jr.			
		6,104,866	08/15/00	DeWitt et al.			
		6,104,867	08/15/00	Stathakis et al.			
		6,123,935	09/26/00	Wefler et al.			
		6,141,496	10/31/00	Sundberg et al.			
		6,148,143	11/14/00	Steinel, Jr.			
		6,156,088	12/05/00	Cardarelli			
		6,197,262	03/06/01	Del Ben			
		6,197,263	03/06/01	Blount			
		6,227,118	05/08/01	Nance			
		6,236,807	05/22/01	Ruffolo et al.			
		6,249,645	06/19/01	Smith			
		6,254,065	07/03/01	Ehrensperger et al.			
		6,264,548	07/24/01	Payne, Jr. et al.			
		6,269,979	08/07/01	Dumont			

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		6,270,720	08/07/01	Mandish			
		6,275,651	08/14/01	Voit			
		6,278,840	08/21/01	Basaganas Millan			
		6,285,830	09/04/01	Basaganas Millan			
		6,289,176	09/11/01	Martter et al.			
		6,302,559	10/16/01	Warren			
		6,315,959	11/13/01	Mandish			
		6,328,791	12/11/01	Pillion et al.			
		6,342,676	01/29/02	Ha			
		6,349,168	02/19/02	Jaworski			
		6,352,210	03/05/02	Requejo			
		6,354,513	03/12/02	Basaganas Millan			
		6,361,752	03/26/02	Demarest et al.			
		6,364,673	04/02/02	Lee			
		6,368,564	04/09/02	Smith			
		6,371,815	04/16/02	Wetzel et al.			
		6,374,044	04/16/02	Freidel			
		6,374,045	04/16/02	Basaganas Millan			
		6,381,408	04/30/02	Jaworski et al.			
		6,603,924	08/05/03	Brown et al.			
		6,714,725	03/30/04	Grone et al.			
		US 2001/0031225	10/18/01	Mandish			
		US 2001/0053283	12/20/01	Levine et al.			
		US 2002/0144992	10/10/02	Vieira			
		US 2003/0138241	07/24/03	Ambrosi et al.			
		Des. 315,789	03/26/91	Muderlak			
		Des. 355,251	02/07/95	Paulovich et al.			
		Des. 357,330	04/11/95	Wong et al.			
		Des. 430,659	09/05/00	Zaragoza et al.			

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>					ATTY DOCKET NO. <b>15730.0800</b>		SERIAL NO. <b>10/648,571</b>	
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					FILING DATE <b>August 26, 2003</b>		GROUP <b>3742</b>	

		402,507	12/07/33	GB			X	
		35 35 564	05/22/86	DE				X
		0 296 807	12/28/88	EP			X	
		41 31 613	03/25/93	DE				X
		0 669 137	08/30/95	EP			X	
		0 911 041	04/28/99	EP			X	
		WO 00 76292	12/21/00	PCT			X	
		WO 01 10739	02/15/01	PCT			X	
		2 356 815	06/06/01	GB			X	
		WO 01/68154	09/20/01	PCT			X	
		WO 01/93919	12/13/01	PCT			X	

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
			PCT International Search Report issued December 17, 2003 for International Application No. PCT/US03/26511, International Filing Date August 26, 2003, 4 pages.
			PCT International Search Report issued April 21, 2004 for International Application No. PCT/US03/26754, International Filing Date August 28, 2003, 4 pages.
			PCT International Search Report issued November 12, 2003 for International Application No. PCT/US03/25245, International Filing Date August 13, 2003, 4 pages.
			PCT International Search Report issued October 7, 2003 for International Application No. PCT/US03/04082, International Filing Date February 12, 2003, 8 pages
			PCT International Search Report issued December 16, 2003 for International Application No. PCT/US03/25244, International Filing Date August 13, 2003, 3 pages
			PCT International Search Report issued December 16, 2003 for International Application No. PCT/US03/25246, International Filing Date August 13, 2003, 3 pages
			PCT International Search Report issued December 19, 2003 for International Application No. PCT/US03/25243, International Filing Date August 13, 2003, 4 pages
			Brochure-"Decora Devices," by Leviton, date unknown, Section A, pps. A1-A36

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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